NOTICE OF ALLOWANCE AND ISSUE FEE DUE

F3M1/0917

ALAN H MACPHERSON
SKJERVEN MORRILL MACPHERSON
FRANKLIN AND FRIEL
25 METRO DRIVE SUITE 700
SAN JOSE CA 95110

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT		DATE MAILED
First Named Applicant 08/439,562	05/11/95	030	CHENG, J	3302	09/17/96

TITLE OF INVENTION	REDFORD, PETER M.

A METHOD FOR STARTING UP A PROCESS AUTOMATICALLY ON INSERTION OF A
STORAGE MEDIA INTO A HOST DEVICE (AS AMENDED)

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3 M-2726-1D-US	434-118.000	Z99	UTILITY	YES	$625.00	12/17/96

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.
PROSECUTION ON THE MERITS IS CLOSED.

**THE ISSUE FEE MUST BE PAID WITHIN _THREE MONTHS_ FROM THE MAILING DATE OF THIS NOTICE OR THIS
APPLICATION SHALL BE REGARDED AS ABANDONED. _THIS STATUTORY PERIOD CANNOT BE EXTENDED._**

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.
If the SMALL ENTITY is shown as yes, verify your
current SMALL ENTITY status:

A. If the status is changed, pay twice the amount of the
FEE DUE shown and notify the Patent and
Trademark Office of the change in status, or
B. If the status is the same, pay the FEE DUE shown
above.

If the SMALL ENTITY is shown as NO:

A. Pay FEE DUE shown above, or

B. File verified statement of Small Entity Status before, or with,
payment of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE.
Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned.
If you are charging the ISSUE FEE to your deposit account, section "6b" of Part B should be completed.

III. All communications regarding this application must give application number and batch number.
Please direct all communication prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of
maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance
fees when due.**

PART B—ISSUE FEE TRANSMITTAL

MAILING INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE. Blocks 2 through 6 should be completed where appropriate. All further correspondence including the Issue Fee Receipt, the Patent, advance orders and notification of maintenance fees will be mailed to addresses entered in Block 1 unless you direct otherwise, by: (a) specifying a new correspondence address in Block 3 below; or (b) providing the PTO with a separate "FEE ADDRESS" for maintenance fee notifications with the payment of issue Fee or thereafter. **See reverse for Certificate of Mailing, below.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending on the needs of the individual case. Any comments on the amount of time required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231.
DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Issue Fee, Assistant Commissioner for Patents, Washington D.C. 20231

2. INVENTOR(S) ADDRESS CHANGE (Complete only if there is a change)
INVENTOR'S NAME
Street Address
City, State and Zip Code
CO–INVENTOR'S NAME
Street Address
City, State and Zip Code
☐ Check if additional changes are enclosed

1. CORRESPONDENCE ADDRESS

F3M1/0917

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3. Correspondence address change (Complete only if there is a change)   000   Z99

4. For printing on the patent front page, list the names of not more than 3 registered patent attorneys or agents OR, alternatively, the name of a firm having as a member a registered attorney or agent. If no name is listed, no name will be printed.

YES $625.00   12/17/96

1 _____

2 _____

3 _____

5. ASSIGNMENT DATA TO BE PRINTED ON THE PATENT (print or type)

(1) NAME OF ASSIGNEE:

(2) ADDRESS: (CITY & STATE OR COUNTRY)

A. ☐ This application is NOT assigned.

☐ Assignment previously submitted to the Patent and Trademark Office.

☐ Assignment is being submitted under separate cover. Assignment should be directed to Box ASSIGNMENTS.

     PLEASE NOTE: Unless an assignee is identified in Block 5, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been perviously submitted to the PTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

6a. The following fees are enclosed:
   ☐ Issue Fee   ☐ Advance Order - # of Copies _____

6b. The following fees should be charged to:
   DEPOSIT ACCOUNT NUMBER _____
   (ENCLOSE A COPY OF THIS FORM)
   ☐ Issue Fee   ☐ Advance Order - # of Copies _____
   ☐ Any Deficiencies in Enclosed Fees

The COMMISSIONER OF PATENTS AND TRADEMARKS is requested to apply the Issue Fee to the application identified above.

(Authorized Signature)	(Date)

NOTE: The Issue Fee will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the Patent and Trademark Office.

Certificate of Mailing

Note: If this certificate of mailing is used, it can be used to transmit the Issue Fee. This certificate cannot be used for any other accompanying papers.

Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing.

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                          Assistant Commissioner for Patents
                          Washington, D.C. 20231

on:_____ (Date)

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_____ (Signature)

_____ (Date)

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Box ISSUE FEE
Commissioner of Patents and Trademarks
Washington, D.C. 20231

on _____ Sept. 25, 1996 _____
(Date)

JOUNG-WOO JOHN KIM
(Name of person making deposit)

_____ Joungwoo Kim _____
(Signature)

_____ Sept. 25, 1996 _____
(Date)

Note: If this certificate of mailing is used, it can only be used to transmit the Issue Fee. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing.

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Office of Information Systems, Patent and Trademark Office, Washington, D.C. 20231, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, (Project 0651-0033), Washington, D.C. 20503. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Box Issue Fee, Washington, DC 20231.
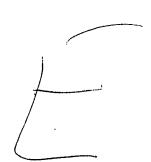
08/439,562

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
08/439,562	05/11/95	REDFORD	P	M-2726-1D-US

CHENG, J

F3M1/0917

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EXAMINER

ART UNIT	PAPER NUMBER
	09/

DATE MAILED:

NOTICE OF ALLOWABILITY

PART I.

1. ☑ This communication is responsive to *the Amendments filed on 5/8/96, 7/26/96 and 9/11/96*

2. ☑ All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.

3. ☑ The allowed claims are *63-65, 67-72, 101, 102, 104-111, 115-118 and 120-127,*

4. ☐ The drawings filed on _____ are acceptable.

5. ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has [_] been received. [_] not been received. [_] been filed in parent application Serial No. _____, filed on _____.

6. ☑ Note the attached Examiner's Amendment.

7. ☑ Note the attached Examiner Interview Summary Record, PTOL-413.

8. ☐ Note the attached Examiner's Statement of Reasons for Allowance.

9. ☑ Note the attached NOTICE OF REFERENCES CITED, PTO-892.

10. ☑ Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

1. ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

2. ☑ APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.

   a. ☑ Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. _8_. CORRECTION IS REQUIRED.

   b. ☑ The proposed drawing correction filed on *7/26/96* has been approved by the examiner. CORRECTION IS REQUIRED.

   c. ☐ Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.

   d. ☑ Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

Attachments:

☑ Examiner's Amendment
☑ Examiner Interview Summary Record, PTOL-413
_ Reasons for Allowance
☑ Notice of References Cited, PTO-892
☑ Information Disclosure Citation, PTO-1449

_ Notice of Informal Application, PTO-152
_ Notice re Patent Drawings, PTO-948
_ Listing of Bonded Draftsmen
_ Other

PTOL-37 (REV. 4-89) ★

1.   An Examiner's Amendment to the record appears below. Should
the changes and/or additions be unacceptable to applicant, an
amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure
consideration of such an amendment, it **MUST** be submitted no later
than the payment of the Issue Fee.

In the claims:

Rewrite claims 63, 109, 111, 115-118, 120, 122, 123 and 126 as

following:

--63. (Fourth Times Amended)   A   method   for   automatically

starting up a process in a host device based on insertion of a

storage media into a peripheral, comprising:

booting an operating system of the host device, said step

of booting including checking for an initialization file;

automatically enabling an interrupt;

automatically checking for a file ~~in~~ other than said

initialization file in [a] <u>at least one</u> removable storage media

associated with [said] at least one peripheral on occurrence of

said interrupt, said removable storage media being encoded with

electronic content including said file;

automatically loading at least a portion of the

electronic content from said removable storage media in response to

finding said file during said step of automatically checking; [and]

automatically executing an application identified by or

associated with said file<u>; and</u>

<u>returning to said step of automatically enabling</u>.

--109. (Twice Amended)   The method of claim [63] ~~64~~ wherein

said selection comprises text and said step of displaying comprises

showing said text on a screen.

--111. (Third Times Amended)   A method for automatically starting up a process in a host device based on insertion of a storage media into a peripheral, comprising:

booting an operating system of the host device, said step of booting including checking for an initialization file and utilizing said initialization file;

automatically enabling an interrupt from at least one peripheral;

automatically loading into a selected memory at least a portion of electronic content from a file other than said initialization file encoded on a storage media located in at least one peripheral on occurrence of said interrupt;

automatically using said electronic content, wherein said step of automatically using comprises passing control of said host device to said electronic content of said file; and

returning to said step of <u>automatically</u> enabling after completion of said step of <u>automatically</u> using.

--115. (Twice Amended)   The method of claim 111, wherein said portion of the electronic content comprises a sound recording and <u>wherein said method further comprises displaying a selection encoded in the form of electronic content on said storage media,</u> said step of displaying comprises playing said sound recording through a speaker means.

--116. (Twice Amended)   The method of claim 111, wherein said

portion of the electronic content comprises a video recording and wherein said method further comprises displaying a selection encoded in the form of electronic content on said storage media, said step of displaying comprises showing said video recording on a screen.

--117.(Twice Amended)   The method of claim 111, wherein said portion of the electronic content comprises a graphics image and wherein said method further comprises displaying a selection encoded in the form of electronic content on said storage media, said step of displaying comprises printing said graphics image through a printer.

--118.(Twice Amended)   The method of claim 111, wherein said portion of the electronic content comprises text and wherein said method further comprises displaying a selection encoded in the form of electronic content on said storage media, said step of displaying comprises printing said text through a printer.

--120.(Third Times Amended)   A method for automatically starting up a process in a host device based on insertion of a storage media into a peripheral, comprising:

booting an operating system of the host device, said step of booting including checking for an initialization file;

automatically enabling an interrupt from a removable storage media in a peripheral in a set of at least one peripheral on insertion of a removable storage media into said peripheral;

automatically checking for a file other than the

initialization file in said removable storage media on occurrence

of said interrupt, said removable storage media being encoded with

electronic content including said file;

automatically disabling said interrupt;

automatically using at least a portion of said electronic

content from said removable storage media in response to finding

said file during the step of checking, wherein said step of

automatically using comprises passing control of said host device

to said file; and

returning to said step of <u>automatically</u> enabling after

completion of said step of <u>automatically</u> using.

--122.(Twice Amended)   The method of claim 120 further

comprises the step of waiting for said interrupt prior to said step

of automatically checking, and wherein said steps of <u>automatically</u>

enabling said interrupt, waiting, automatically checking,

automatically disabling said interrupt, and automatically using are

repeated.

--123.(Twice Amended)   The method of claim 120 further

comprises the step of[:] enabling a plurality of interrupts in

addition to said interrupt[;]. and storing a name of said

peripheral in a variable prior to said step of automatically

disabling said interrupt.

--126.(Twice Amended)   The method of claim 124 further

comprises the step of waiting for said interrupt prior to said step

of automatically checking, and wherein at least said steps of

automatically enabling said interrupt, waiting, automatically checking, automatically disabling said interrupt, and automatically using are repeated.

2. Authorization for this Examiner's Amendment was given in a telephone interview with Mr. Omkar Suryadevara (applicant's attorney) on September 12, 1996.

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Audebert et al (U.S. Pat. No. 5,073,931) - note Figs. 1-12;

Parks et al (U.S. Pat. No. 5,530,960) - note Figs. 1-13;

"PC-MS DOS 4.0 for Hard Disk User" by David D. Busch, 1989, Pg. 27-32 and 141-163.

4. Any inquiry concerning this communication should be directed to Joe Cheng at telephone number (703) 308-0858.

JOE CHENG
PRIMARY EXAMINER
GROUP 3300

Joe Cheng
September 12, 1996